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## **Amendments to Claims**

## IN THE CLAIMS:

(Previously Presented) A thermoplastic resin composition for laser welding comprising:

- 1) thermoplastic resin; and
- 2) laser-transmitting black colorant comprising amine salts of anthraquinone dye and monoazo metal complex dye.
- 2. (Previously Presented) A thermoplastic resin composition for laser welding comprising:
  - 1) thermoplastic resin; and,
  - laser-transmitting black colorant comprising a mixture of
- a) amine salt of anthraquinone dyes of formula [I] or formula [II] wherein formula [I] is:

$$\begin{bmatrix} R^{8} & O & R^{1} \\ R^{7} & & & \\ R^{6} & & & \\ R^{5} & O & R^{4} \end{bmatrix} R^{2}$$

$$K^{1}(Z)^{n+1}$$

wherein R<sup>1</sup> to R<sup>8</sup>, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, cyclohexylamide, sulfonyl, formula [I-a], or -Y-W, and at least one of R<sup>1</sup> to R<sup>8</sup> is of formula [I-a]; wherein Y is S, O, or NH; and wherein W is selected from unsubstituted or substituted alkyl group, alkenyl group, and unsubstituted or substituted aryl group; wherein (Z)<sup>n+</sup> represents a cation derived from an organic amine compounds or a basic dye; wherein n is 1 or 2, m1 is an integer from 1 to 4 and K1 is the ratio of m1 / n;

and wherein formula [I-a] is:

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wherein X is O or NH, and R<sup>9</sup> to R<sup>13</sup>, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, or sulfonyl; wherein at least one wherein at least one of R<sup>1</sup> to R<sup>13</sup> is sulfonyl group; wherein formula [II] is:

wherein R<sup>47</sup> to R<sup>52</sup>, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, or sulfonyl; and at least one of R<sup>47</sup> to R<sup>52</sup> is of sulfonyl, and fomula J in formula [II] is selected from formula [II-a] or formula [II-b] and binds two anthraquinone; wherein formula [II-a] is:

or

formula [II-b]:

wherein R<sup>53</sup> to R<sup>54</sup>, which may be the same or different, are independently selected from the group consisting of alkyl(having 1 to 8 carbon atoms) or hydrogen,

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and wherein (F)<sup>h+</sup> represents ammonium ion or a cation derived from an organic amino compounds or a basic dye wherein h is 1 or 2, m<sup>4</sup> is an integer from 1 to 4 and K<sup>4</sup> is the ratio of m<sup>4</sup> / h, and

b) monoazo metal complex dye represented by the formula [III] formula [III]:

wherein R<sup>39</sup>, R<sup>41</sup>, which may be the same or different, are Cl, SO<sub>2</sub>(-R<sup>44</sup>)(-R<sup>45</sup>), or SO<sub>2</sub>R<sup>43</sup>: R<sup>44</sup> and R<sup>45</sup>, which may be the same or different, are independently hydrogen atom, liner or branched C1-C4 alkyl, R43 is linear or branched C1-C4 alkyl; R<sup>40</sup> and R<sup>42</sup>, which may be the same or different, are hydrogen, liner or branched C1-C18 alkyl group, liner or branched C2-C18 alkenyl group, sulfonamide group, carboxyl group, mesyl group, hydroxyl group, C1-C18 alkoxy group, acethylamino group, benzoylamino group, halogen atom or -CONH-R<sup>46</sup>; R<sup>46</sup> is functional group selected from unsubstituted or substituted liner or branched C1-C18 alkyl or unsubstituted or substituted C6-C18 aryl group; L1 and L2 are independently O or COO; (E)<sup>+</sup> are H<sup>+</sup>, cation of alkali metal, ammonium ion, cations of organic amine including aliphatic primary, secondary and tertiary amines, quaternary ammonium ion: K<sup>3</sup> is an integer: m<sup>3</sup> is 0, 1 or 2; and M<sup>1</sup> is a metal having ionic valency from 2 to 4, wherein the amount of amine salts of anthraquinone dyes of formula [I] or formula

[II] compared to the amount of monoazo complex dyes of the formula [III] is in the ratio of from 5:1 to 1:1..

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- 3. (Cancelled)
- 4. (Cancelled)
- 5. (Original) The composition of Claim 1 wherein the thermoplastic resin is polyamide or polyester.
- 6. (Original) The composition of claim 1 further comprising reinforcing agent.
- 7. (Original) The transparent article for laser beam welding formed from the composition of Claim 1.
- 8. (Original) An article formed by laser welding an opaque article for laser beam with the transparent article of Claim 6 using said laser beam.
- 9. (Previously Presented) A black colorant suitable for being mixed with a thermoplastic resin used in laser welding applications applied to a laser welding comprising a mixture of
- a) amine salts of anthraquinone dyes of formula [I] or formula [II] wherein Formula [I] is:

$$\begin{bmatrix} R^{7} & R^{8} & O & R^{1} \\ R^{7} & R^{2} & R^{3} \end{bmatrix} R^{1}$$

$$R^{6} \qquad R^{5} \qquad R^{4} \qquad R^{3}$$

wherein R¹ to R³, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, cyclohexylamide, sulfonyl, formula [I-a], or -Y-W, and at least one of R¹ to R³ is of formula [I-a]; wherein Y is S, O, or NH; and wherein W is selected from unsubstituted or substituted alkyl group, alkenyl group, and unsubstituted or substituted aryl group; wherein (Z)<sup>n+</sup> represents a cation derived from an organic amine compounds or a basic dye; wherein n is 1 or 2, m¹ is an integer from 1 to 4 and K¹ is the ratio of m¹ / n;

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and wherein formula [I-a] is:

$$R^9$$
  $R^{10}$   $R^{11}$   $R^{12}$ 

wherein X is O or NH, and R<sup>9</sup> to R<sup>13</sup>, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, or sulfonyl; wherein at least one wherein at least one of R<sup>1</sup> to R<sup>13</sup> is sulfonyl group wherein formula [II] is:

wherein R<sup>47</sup> to R<sup>52</sup>, which may be the same or different, are independently selected from the group consisting of H, alkyl, aryl, alkenyl, alkoxy, amino, N-alkylamide, N-arylamide, hydroxy, halogen atom, acyl, acyloxy, acylamide, acyl-N-alkylamide, carboxyl, alkoxycarbonyl, or sulfonyl; and at least one of R<sup>47</sup> to R<sup>52</sup> is of sulfonyl, and fomula J in formula [II] is selected from formula [II-a] or formula [II-b] and binds two anthraquinone; formula [II-a]:

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or

formula [II-b]:

wherein R53 to R54, which may be the same or different, are independently selected from the group consisting of alkyl(having 1 to 8 carbon atoms) or hydrogen, and wherein (F)<sup>h+</sup> represents ammonium ion or a cation derived from an organic amino compounds or a basic dye wherein h is 1 or 2, m4 is an integer from 1 to 4 and K<sup>4</sup> is the ratio of m<sup>4</sup> / h, and

b) monoazo metal complex dye represented by the formula [III] formula [III]:

wherein R<sup>39</sup>, R<sup>41</sup>, which may be the same or different, are CI, SO<sub>2</sub>(-R<sup>44</sup>)(-R<sup>45</sup>), or SO<sub>2</sub>R<sup>43</sup>: R<sup>44</sup> and R<sup>45</sup>, which may be the same or different, are independently hydrogen atom, liner or branched C1-C4 alkyl, R43 is linear or branched C1-C4 alkyl; R<sup>40</sup> and R<sup>42</sup>, which may be the same or different, are hydrogen, liner or branched C1-C18 alkyl group, liner or branched C2-C18 alkenyl group, sulfonamide group, carboxyl group, mesyl group, hydroxyl group, C1-C18 alkoxy group, acethylamino group, benzoylamino group, halogen atom or -CONH-R<sup>46</sup>; R<sup>46</sup> is functional group

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selected from unsubstituted or substituted liner or branched C1-C18 alkyl or unsubstituted or substituted C6-C18 aryl group;  $L_1$  and  $L_2$  are independently O or COO; (E)<sup>+</sup> are H<sup>+</sup>, cation of alkali metal, ammonium ion, cations of organic amine including aliphatic primary, secondary and tertiary amines, quaternary ammonium ion;  $K^3$  is an integer;  $m^3$  is 0, 1 or 2; and  $M^1$  is a metal having ionic valency from 2 to 4.

- 10. (Cancelled)
- 11. (Cancelled).
- 12 (Original) The composition of Claim 2 wherein the laser-transmitting black colorant comprises amine salts of anthraquinone dye of formula [I] wherein at least one of R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> of formula [I-a] is sulfonyl group.
- 13. (Cancelled)
- 14. (Original) The black colorant of Claim 9 wherein the laser-transmitting black colorant comprises amine salts of anthraquinone dye of formula [I] where as at least one of R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup> and R<sup>13</sup> of formula [I-a] is sulfonyl group.
- 15. (Currently Amended) The black colorant of Claim 9 wherein the <u>weight</u> ratio of amount of the amine salts of anthraquinone dyes of formula [I] or formula [II] to that of monoazo complex dyes of the formula [III] is from 5:1 to 1:1.
- 16. (Original). The composition of Claim 1 wherein said monoazo metal complex dye is a 1:2 type monoazo metal complex dye.
- 17. (Currently Amended) The composition of Claim 1 wherein the amine salts of anthraquinone dye and the monoazo metal complex dye are present in a <u>weight</u> ratio of from 5:1 to 1:1.

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18. (Currently Amended) The composition of Claim 16 wherein the amine salts of anthraquinone dye and the monoazo metal complex dye are present in a <u>weight</u> ratio of from 5:1 to 1:1.